

FIG 1

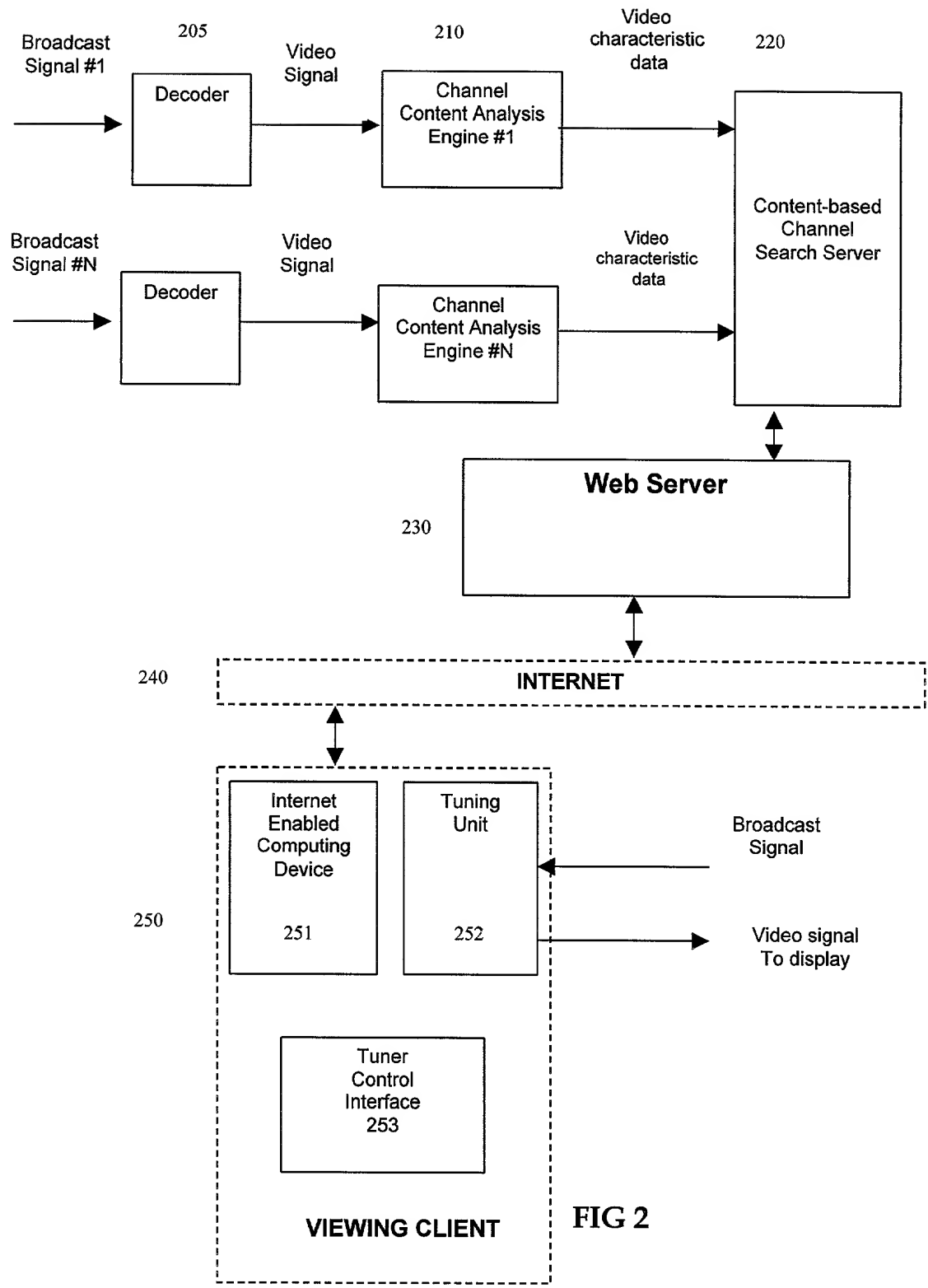


FIG 2

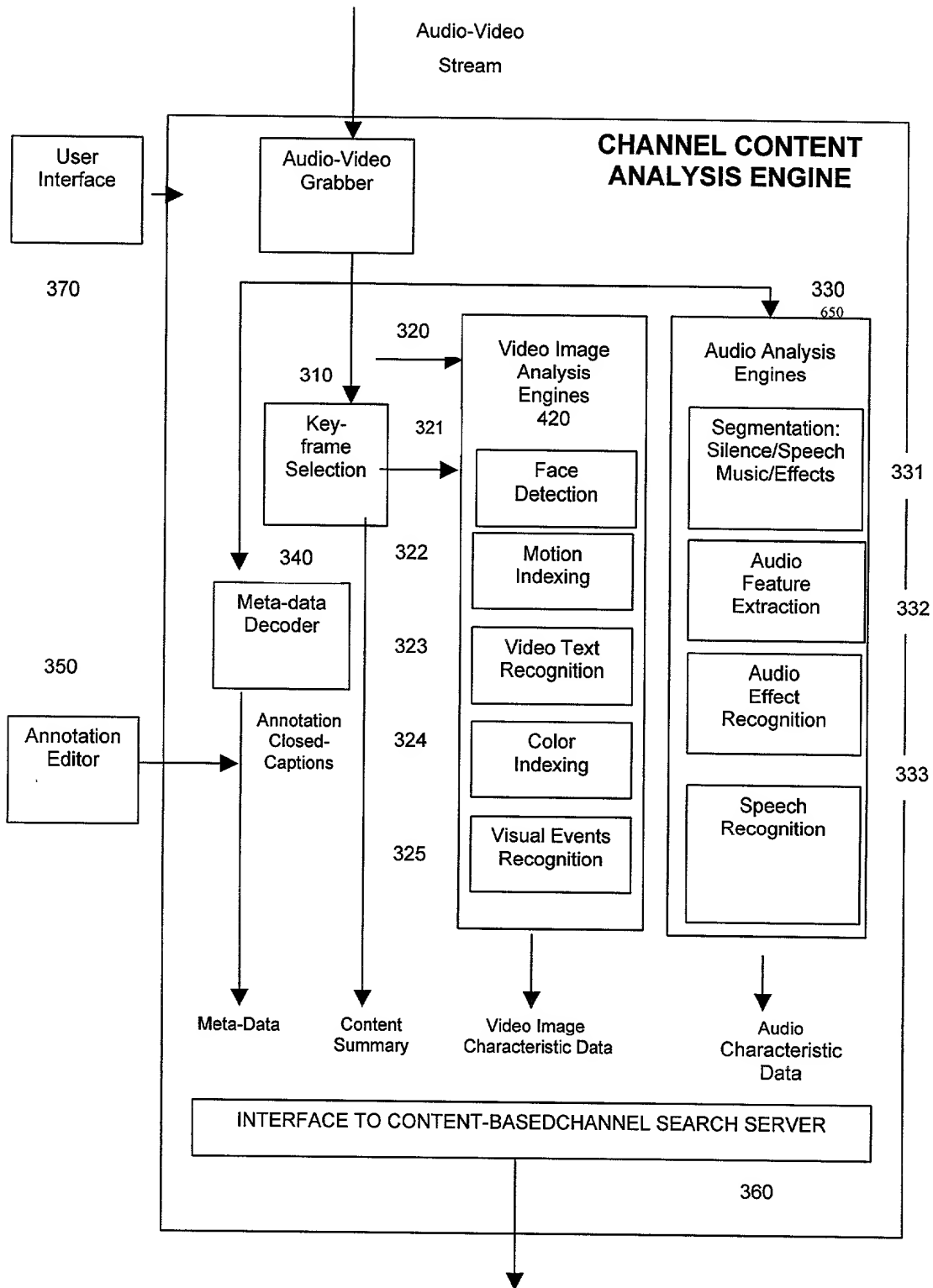


FIG 3

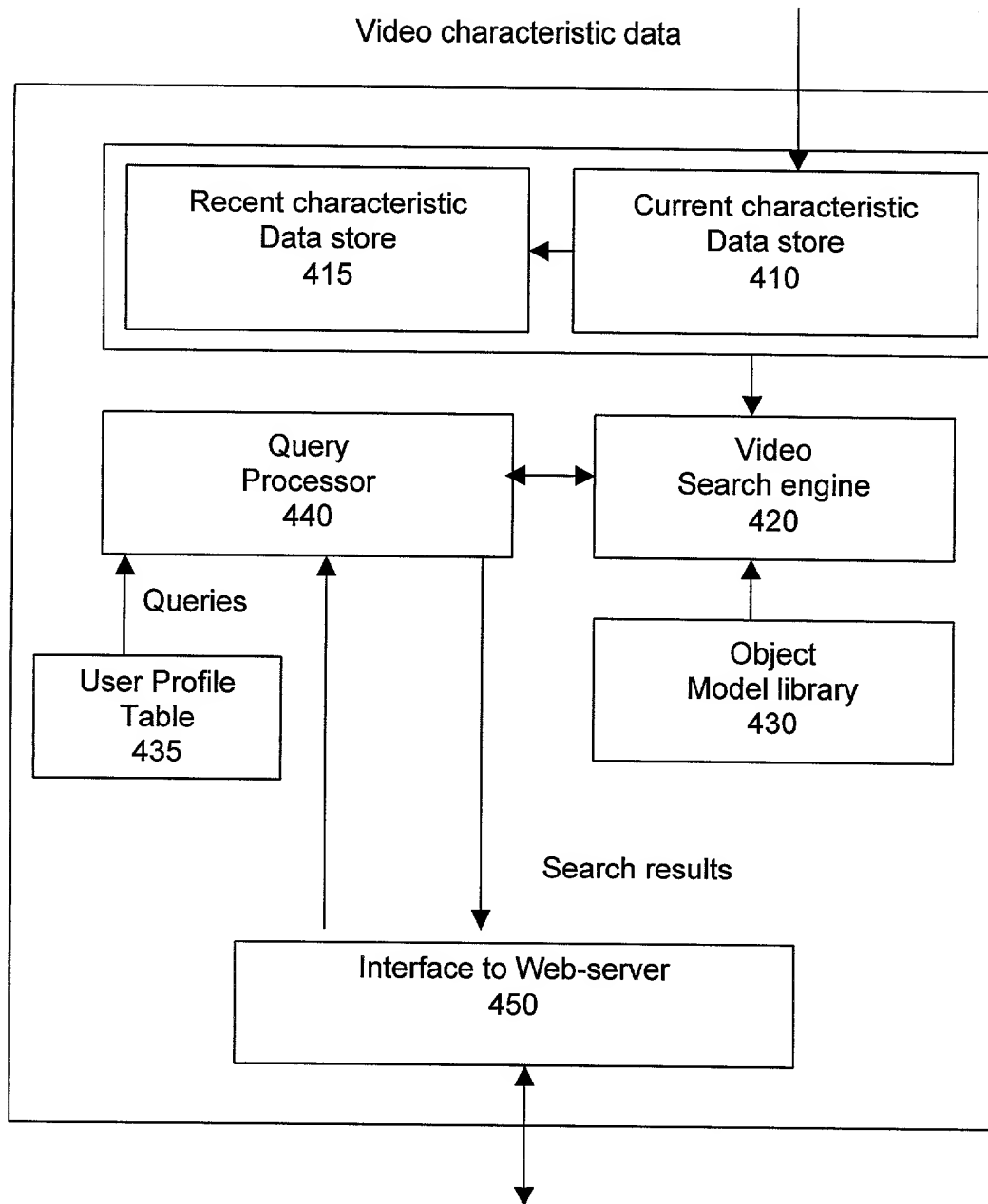


Fig. 4: Content-based channel search server

500

USER PROFILE MENU

510 VISUAL	520 AUDIO	530 TOPIC	540 SPECIAL
People	Laughter	Sports	Breaking News
Outdoor	Jazz Music	Sports	Soccer Goal
Pastoral	Applause	Talk Show	Touch Down
	Gun-shot	Economy	

AND OR NOT

550

VISUAL = People AND AUDIO = Laughter

SUBMIT

FIG 5.1

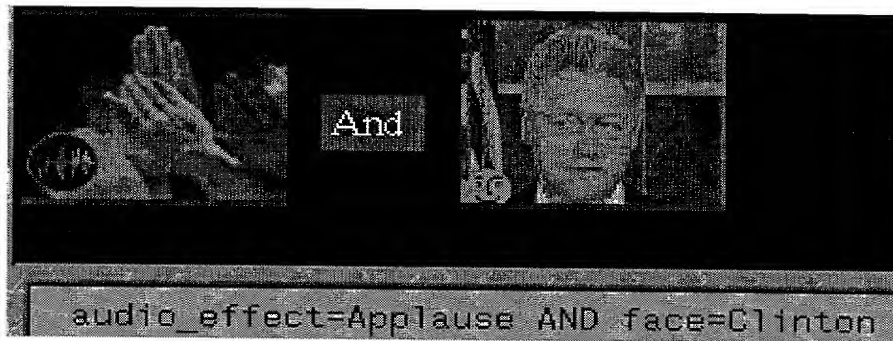


FIG 5.2



FIG 6

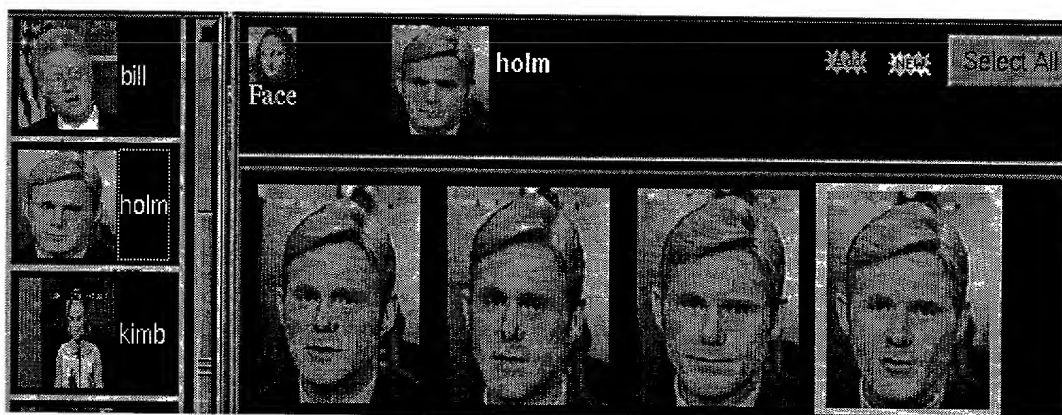


FIG 7

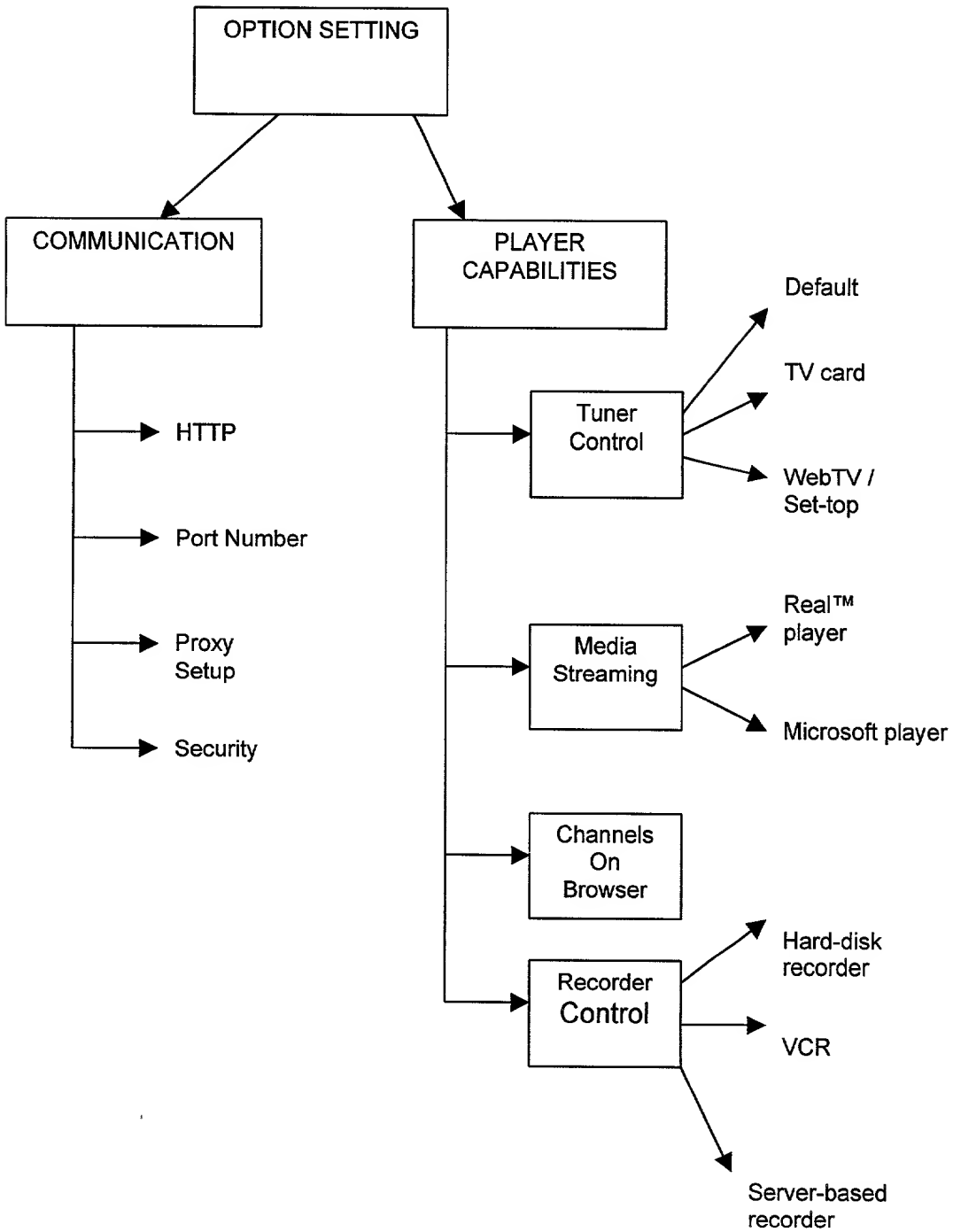


FIG 8

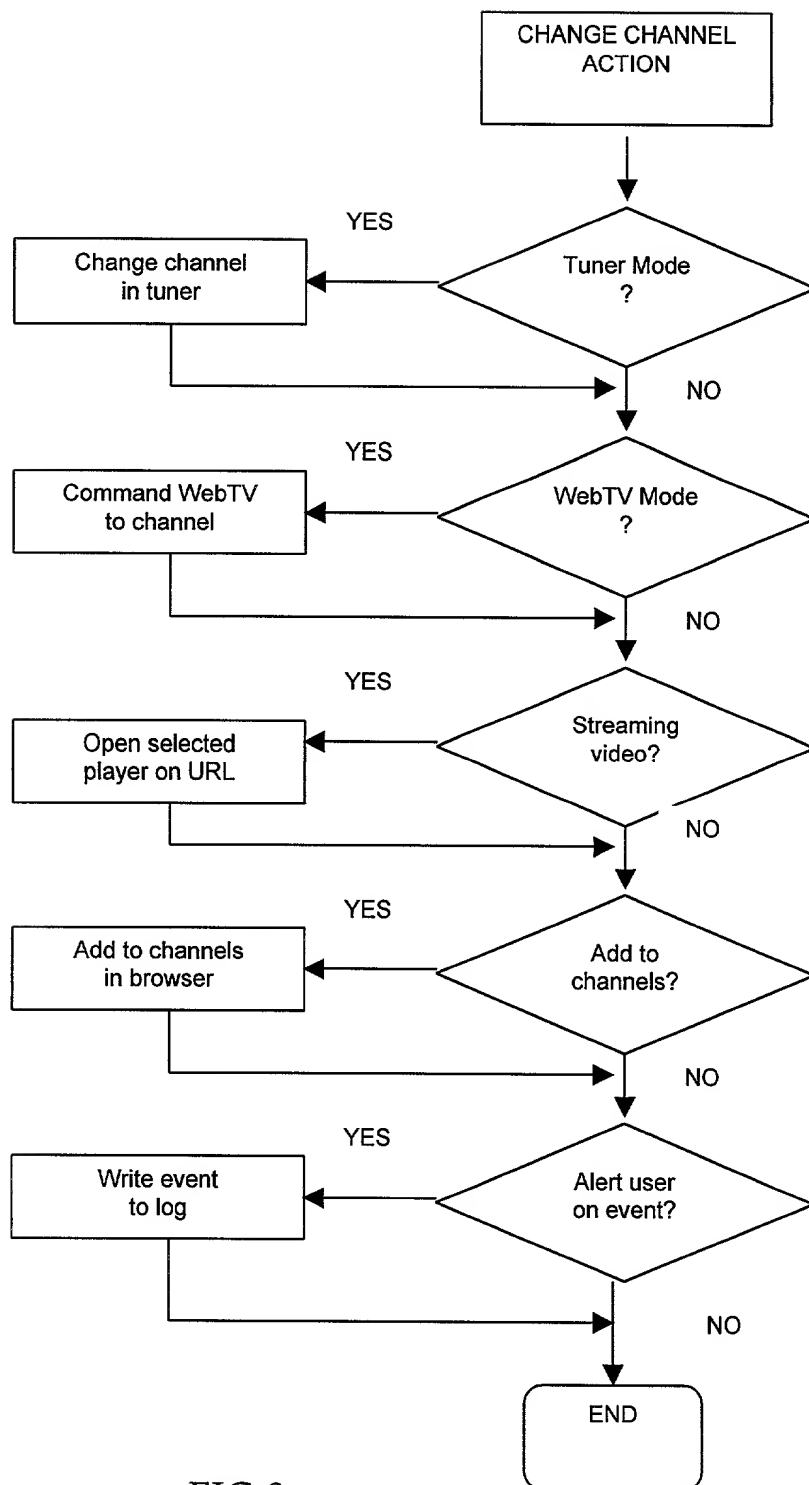


FIG 9

FIG 10a: FILE CONNECTION MENU

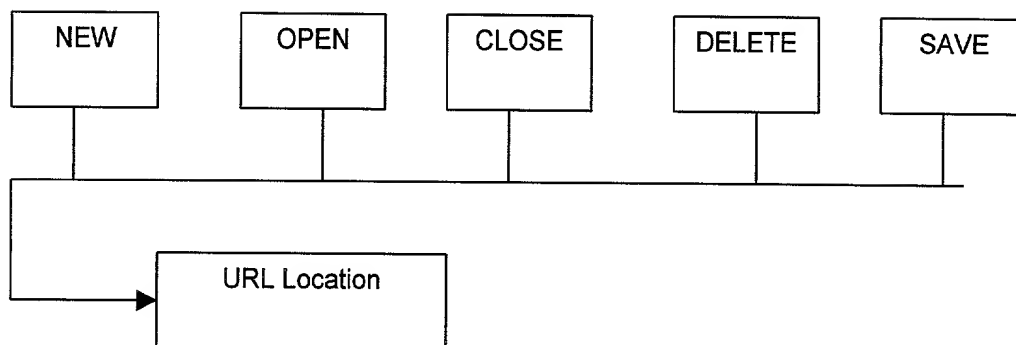
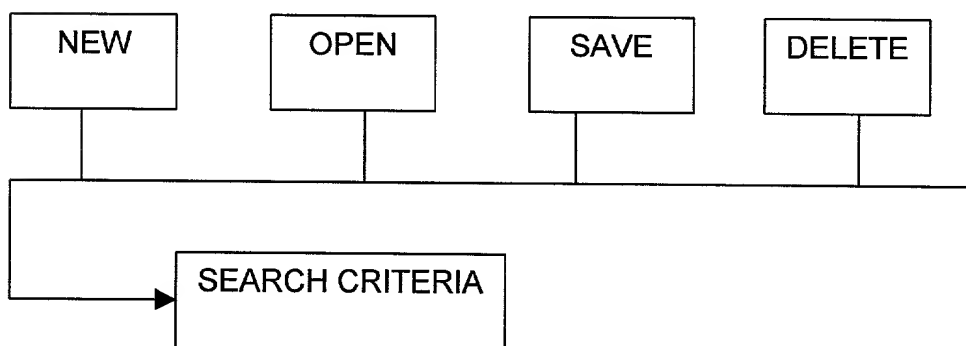
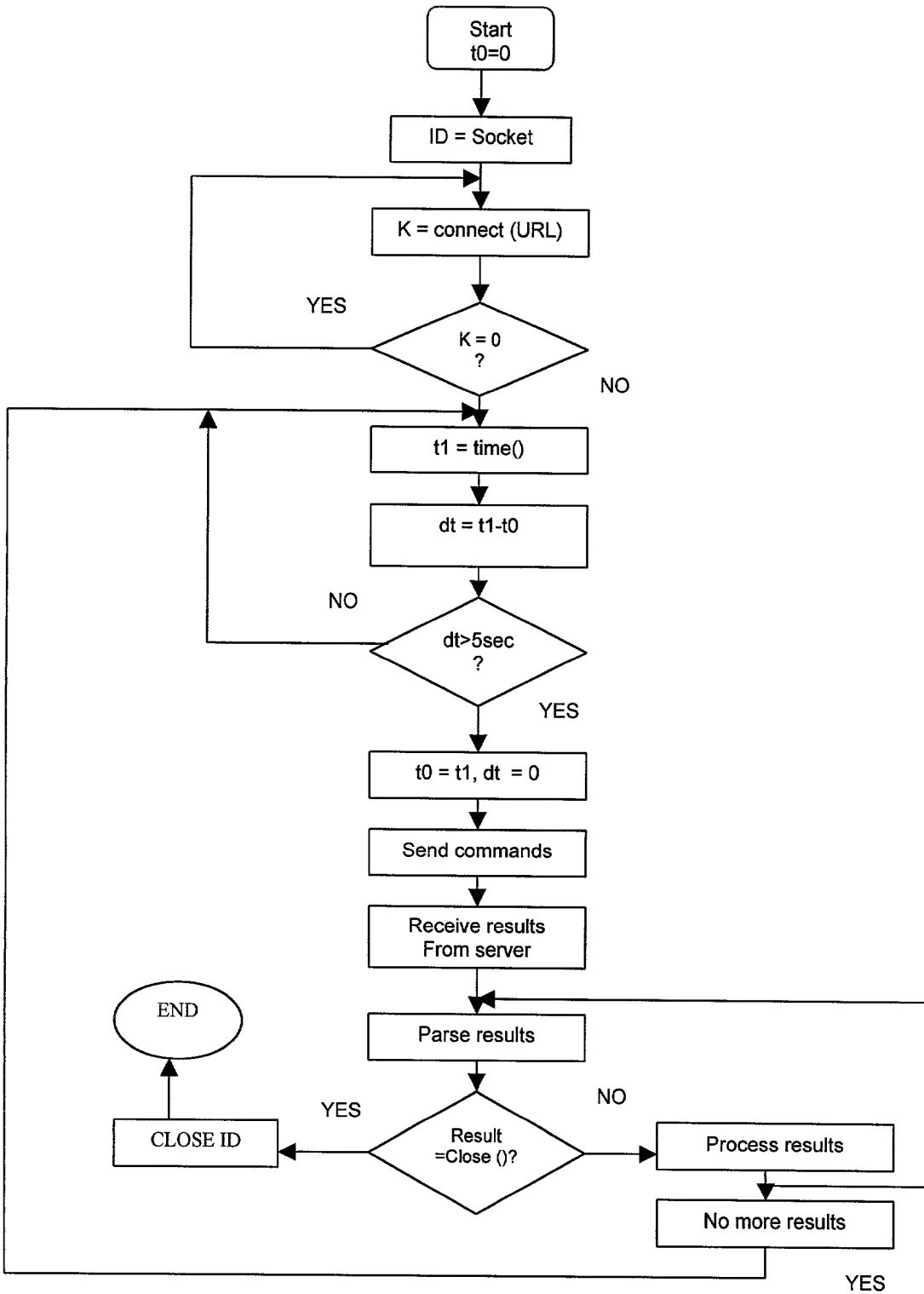


FIG 10b: EDIT SEARCH PROPERTIES MENU





**FIG 11: CLIENT
COMMUNICATION MODULE**

FIG 12: SERVER COMM. MODULE

CLIENT

S_ID = Socket(STR,TCP)

Send command

Recieve

Do Command

CLOSE

SERVER

S_ID = Socket(STERM,TCP)

m_Socket.port = my_port

m_Socket.address = ANY_ADDRESS

BIND(m_Socket)

LISTEN(m_Socket)

← C_ID = ACCEPT(m_Socket)

Loop until end

{

Select(m)

→ Receive command

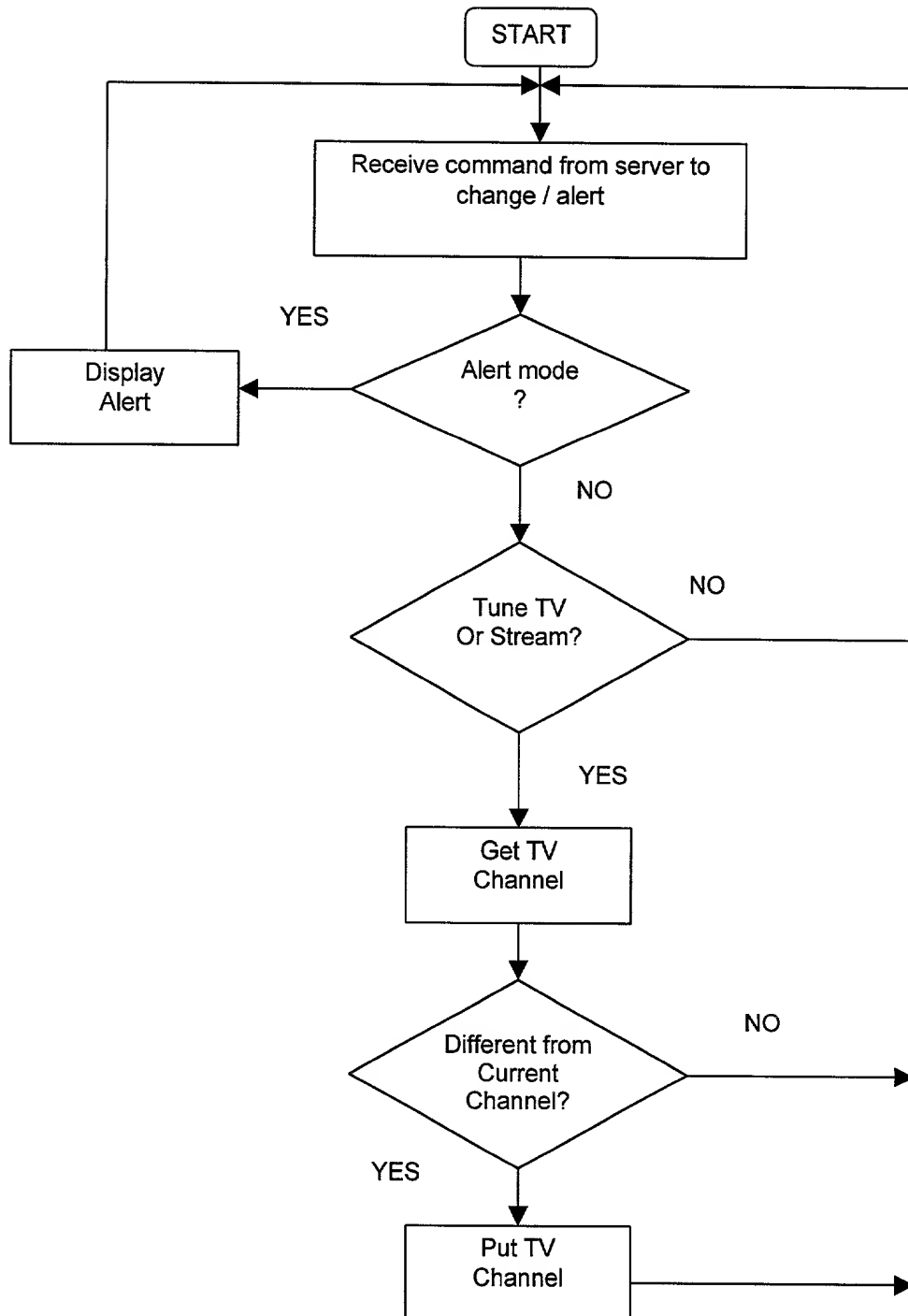
Do command

← Send results

}

→ CLOSE

FIG 13: TUNER SETTING BY CLIENT



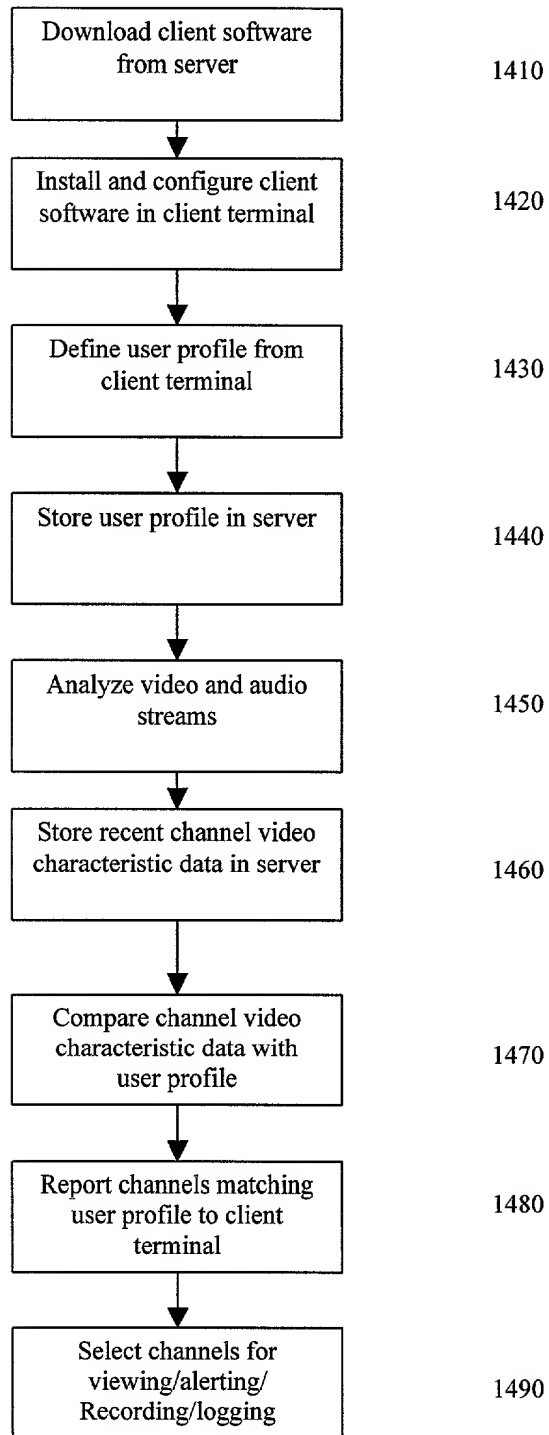


FIG. 14: Summary flow chart of operation